



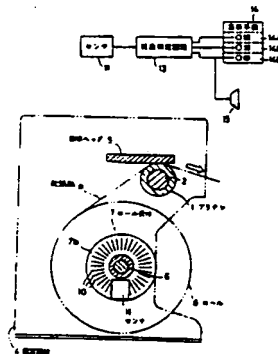
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# RECORDING PAPER DETECTING DEVICE OF PRINTER

PURPOSE: To enable both a residual amount of recording paper and an abnormality of running to be detected with one sensor by a method of a residual amount judging means, judging the residual amount of the recording paper at a roll by receiving output of the sensor, and a display means to be actuated by output from the residual amount judging means are established.

- CONSTITUTION: Since a platen 1 is always rotated at a constant speed, recording paper P is pulled out from a roll 8 at a constant speed. When a residual amount of the recording paper P is much, since a diameter of the roll 8 is great, a rotary speed of the roll 8 is slow. The rotary speed of the roll 8 when the residual amount of the recording paper P is little is reversely quick. In the case where the residual amount of the recording paper P is much, motion of marks 10... on a roll receiver 7 is slow, and a pulse interval outputted from a sensor 11 is large. A residual amount judging circuit 13 judges that the residual amount of the recording paper P is much, and lights a green lamp 14A of a display means. As the residual amount of the recording paper P decreases, the motion of the marks 10... becomes quick. When the pulse interval becomes less than a preliminarily established pulse interval, the residual amount judging circuit 13 lights a yellow lamp 14B of the display means 14.

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